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optical coating 2	
glass substrate 1	

FIG. 1A

carbon protective layer 3	
optical coating 2	
glass substrate 1	

FIG. 1B

optical coating 2	
glass substrate 1	

	carbon protective coating 3
	scratch propagation blocker layer 4
	Si <sub>3</sub> N <sub>4</sub> layer 2a
<del>-</del>	optical coating 2
	glass substrate 1

FIG. 2

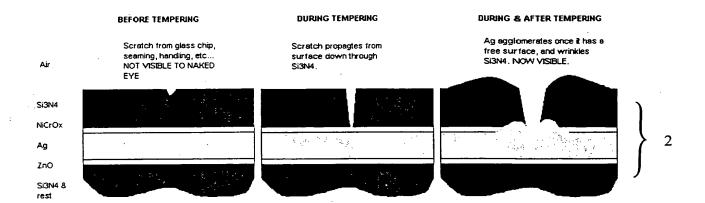


FIG. 3

 	-:
optical coating 2	
 glass substrate 1	

FIG. 4A

metal layer 5	
optical coating 2	
glass substrate 1	

FIG. 4B

 scratch propagation blocker layer 4
 optical coating 2
 glass substrate 1

FIG. 4C

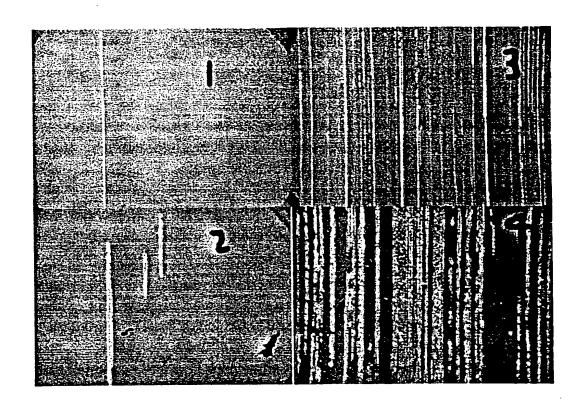


FIG. 5

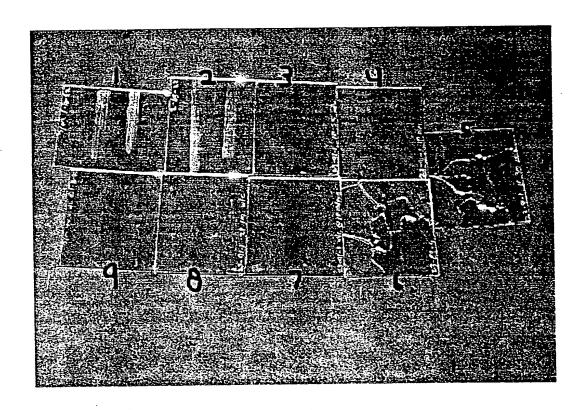


FIG. 6